

Date: Sat, 19 Feb 94 04:30:32 PST
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #44
To: Ham-Digital

Ham-Digital Digest Sat, 19 Feb 94 Volume 94 : Issue 44

Today's Topics:

 Amateur TV
 BPQ and Windows3.1
 DSP alternatives
 EOSS Balloon Flight In Denver
 Looking for G7MFR address (2 msgs)
 VHF/UHF Packet BBS

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 18 Feb 1994 20:19:50 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!
raven.alaska.edu!acad2.alaska.edu!asmsr@ames.arpa
Subject: Amateur TV
To: ham-digital@ucsd.edu

Could anyone give me information on sending/receiving television signals? What
sort of equipment do I need? I'm working with a VHF/UHF transceiver now, and
have no additional equipment as yet. Any help anyone could give would be
greatly appreciated. Please E-Mail to this account (my name is David Nesting.
This account is a friend's).

Thanks...

Date: Fri, 18 Feb 94 10:20:26 GMT

From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!uknet!ukc!
raven.ukc.ac.uk!mrb3@network.ucsd.edu
Subject: BPQ and Windows3.1
To: ham-digital@ucsd.edu

I am trying to set up a BPQ node and run it under windows 3.1. I can get the software to run normally under dos, but when i load up windows things start to go wrong!! At the moment i am using DEBUG to kill the com ports and that seems to work, but i am not sure if this is the correct thing to do.

Also when i load up more than one program, ie Chat4 or term4, or traffic, then things start to crash, and i have had a few serious crashes in windows which i don't like!!

I would be grateful for any advice...

Many thanks inadvance,

Matthew

--

(===== Matthew Bailey =====)
2nd Year, Electronics and Communications Engineering
Packet (Ax25) - G7KSG @ GB7ZAA #34.GBR.EU

Date: 18 Feb 94 17:10:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: DSP alternatives
To: ham-digital@ucsd.edu

I'm just a Ripvanwenkel type, thinking of getting into packet, so please excuse novice question, but
I am trying to figure Packet out just as DSP chips are going through rapid evolution. I was looking for good buy in audio DSPs and was looking at a SoundTrax for \$289 1-800-260-6771 which has a Motorola MC68EC000 and a STAR SPROC-1400-50 which has 4 DSPs at 10MIPS each for 40 MIPS so it can do simultaneous two channel A/D and D/A 16bit up to 44 kHz. (also includes wave table for playing with music).

Has anyone looked into programming this with the included "Sound Engineer DSP" software or whatever?

I wanted something DC coupled for data acquisition, but it's 20-20KHz should be OK for packet.

Just curious, Don N6MCE dphelps@simenv.com

Date: Fri, 18 Feb 1994 22:37:50 GMT
From: cns!rickvg@uunet.uu.net
Subject: EOSS Balloon Flight In Denver
To: ham-digital@ucsd.edu

For Followups to this post check the newsgroup rec.radio.amateur.space

Edge of Space Sciences, Inc. (EOSS) is a non-profit organization comprised of individuals interested in the use of high altitude balloon flights to offer an experimental platform for students and other experimenters. The group has a very high level of participation by amateur radio operators, however, this is NOT a requirement for membership and participation.

EOSS has flown 14 successful flights over the past few years. We regularly fly amateur television, and a suite of atmospheric sensors.

Other experimental payloads have included, GPS and LORAN-C for a comparison of their accuracy. Homebrew differential GPS on the same flight. Students of Colorado University at Boulder (CU) created their own differential system using a gps receiver at a KNOWN location, and calculated the offsets themselves, allowing the GPS vs. LORAN-C comparison greater accuracy.

EOSS hosted last year's "National Balloon Symposium" in Denver Colorado. People from more than 10 states, and Canada were in attendance as well as some of the commercial providers of equipment used in our "hobby".

We plan to fly EOSS-15 soon and here is our general information release about this flight. If you have any questions about the flight or EOSS please use email to my address (sig file at bottom).

EOSS-15 FLIGHT PROFILE

LAUNCH SITE:
Thunder Ridge Middle School
Picadilly and Smokey Hill Rd.
Aurora, Colorado, USA

latitude 39.61195 deg North
longitude 104.75050 deg West

(The lat/lon is actually for a location within 1 mile of launch point. I haven't been to the launch site to take an accurate fix yet.)

LAUNCH DATE: February 26,1994

LAUNCH TIME: 1600 UTC (Set up 1400 UTC) Launch time subject to FAA approval

ON-BOARD EXPERIMENT: Conducted by Cherry Creek High School.

PURPOSE: To measure the various levels of alpha, beta, and gamma radiation at various altitudes.

SHUTTLE FREQUENCIES:

Packet: 144.340

ATV: 426.250

CW Beacon: 147.555

Carries the call of WB4ETT

There will be a HF net run by Sparky\ KA0DPC on 7.232 MHz (phone). And the FOXHUNTER'S will coordinate on the Colorado Repeater Association's repeater 147.225 MHz (+600kHz). This will also be used for some local information during the flight. Thanks in advance to the Colorado Repeater Association for the use of their repeater.

REMARKS: Edge of Space Sciences will provide the platform for Cherry Creek High School and Thunder Ridge Middle School to study the lower atmosphere. Cherry Creek H.S. students have modified a geiger counter to meet the EOSS interface specifications which will measure the alpha, beta, and gamma levels of radiation vs. altitude. The experiment will gather data that should interest local NASA and NOAA officials.

Thunder Ridge M.S. students will make graphs that will help them understand the temperature vs. altitude and balloon dynamics by graphing the ascent and descent rate of the balloon.

The project will be presented at this years Denver, News 4 Education Exposition at the Colorado Convention Center on March 11,12,13 1994. More information about the EXPO can be obtained from EOSS.

Sponsorship for this flight and Education Exposition have been provided by:

Olde Antenna Lab
Dave Clingerman (W6OAL)
4725 W. Quincy
Num 1014
Denver, CO 80236
303-798-5926
303-498-3820

for his:

70 cm ATV Candelabra Antenna
GPS Wheel Antenna
Financial support in Sponsoring EOSS at the KCNC Expo

AT&T
for their:
Financial support in Sponsoring EOSS at the KCNC Expo

SUBMITTED on packet BY: Brian Thomas\NOVSA ground station co-lead
NOVSA@W0GVT.#NECO.CO.USA.NOAM

relayed to internet by:

Rick von Glahn
rickvg@cscns.com -- Internet (preferred)
74620,637 -- Compuserve
N0KKZ@W0GVT.#NECO.CO.USA -- packet radio

Date: Fri, 18 Feb 1994 18:53:11 +0000
From: agate!howland.reston.ans.net!pipex!demon!llondel.demon.co.uk!dave@ames.arpa
Subject: Looking for G7MFR address
To: ham-digital@ucsd.edu

In article <2k0on6\$6em@europa.eng.gtefsd.com> pascoe@MathWorks.Com (Dave Pascoe)
writes:

>Does anyone in the UK have a packet address for G7MFR?

>Thanks.....

>

UK Callbook says he is in Peterborough but no more. Methinks you are out of
luck.

Dave

--

* G4WRW @ GB7WRW.#41.GBR.EU AX25 * Start at the beginning. Go on *
* dave@llondel.demon.co.uk Internet * until the end. Then stop. *
* g4wrw@g4wrw.ampr.org Amprnet * (the king to the white rabbit) *

Date: 17 Feb 1994 21:48:22 GMT

From: pacbell.com!sgiblab!sdd.hp.com!elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!
howland.reston.ans.net!europa.eng.gtefsd.com!not-for-mail@network.ucsd.edu
Subject: Looking for G7MFR address
To: ham-digital@ucsd.edu

Does anyone in the UK have a packet address for G7MFR?
Thanks.....

==== Dave Pascoe ===== pascoe@mathworks.com =====
KM3T

Date: Fri, 18 Feb 1994 20:16:54 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!
raven.alaska.edu!acad2.alaska.edu!asmsr@ames.arpa
Subject: VHF/UHF Packet BBS
To: ham-digital@ucsd.edu

I'm interested in setting up a packet BBS system in the VHF/UHF range. Could anyone point me in the direction of a good TNC? Also, would I need any additional software? I have a BBS set up using a regular modem, so could I just change some configuration settings and be able to use it for packet?

Any help would be appreciated...

(Please E-Mail David Nesting on this account. It's a friend's.)

Date: Fri, 18 Feb 1994 12:59:43 GMT
From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!zaphod.crihan.fr!
jussieu.fr!univ-lyon1.fr!swidir.switch.ch!news.unige.ch!ugun2a!
pfund@network.ucsd.edu
To: ham-digital@ucsd.edu

References <1994Feb17.005407.22460@mnemosyne.cs.du.edu>,
<1994Feb17.125543.1@ugun2a>, <2k1259\$75i@donal.dorsai.org>yon1.fr
Subject : Re: AmiCom 2.0: Compatible with MFJ1278T?

In article <2k1259\$75i@donal.dorsai.org>, jmonaco@dorsai.dorsai.org (John Monaco) writes:

> pfund@uni2a.unige.ch wrote:

> : In article <1994Feb17.005407.22460@mnemosyne.cs.du.edu>, smonaco@nyx.cs.du.edu (Santo Monaco) writes:

> : > I recently ftp'd Amicom 2.0, and although it appears to be a nicely

> : > written piece of software, I am having trouble interfacing it to

```

> : > my MFJ-1278T (firmware release 3.6). A "Sync. error - trying to
> : > Resync." message keeps presenting itself. I have fooled around with
> : > the 'konfig.ac' file to no avail. As the documentation is in German, any
> : > help would be greatly appreciated.
>
> : What you need to do, is put your MFJ into KISS mode and change the
> : konfig.ac file to KISS.drv ! As simple as that !
>
> I tried that already. I even altered the 'KISS.ins' file to ensure that the
> proper commands were being issued by AmiCom to place the MFJ in KISS mode.
>
> --
> John Monaco <jmonaco@dorsai.dorsai.org>

```

If you already tried all that, you can only check that you have the correct settings for your serial port (ie: serial.device, speed etc...)
I don't think that in KISS mode, the program tries to sync.... this is only for HOST mode! Your problem seems very strange!

--

```

    _/_/ Daniel Pfund                                Internet: pfund@uni2a.unige.ch
__/_/_/ University of Geneva, Economics             AX25: hb9vbc@hb9iap.srom.ch.eu
\\_/_/ only AMIGA makes it possible !                ham radio amateur

```

```

-----
Date: 19 Feb 1994 03:14:21 GMT
From: agate!howland.reston.ans.net!wupost!udel!news.sprintlink.net!
news.dorsai.org!dorsai!jmonaco@network.ucsd.edu
To: ham-digital@ucsd.edu

```

```

References <1994Feb17.125543.1@ugun2a>, <2k1259$75i@donal.dorsai.org>,
<1994Feb18.145943.1@uni2a.unige.ch>
Subject : Re: AmiCom 2.0: Compatible with MFJ1278T?

```

Daniel Pfund (pfund@uni2a.unige.ch) wrote:

```

: If you already tried all that, you can only check that you have the correct
: settings for your serial port (ie: serial.device, speed etc...)
: I don't think that in KISS mode, the program tries to sync.... this is only
: for HOST mode! Your problem seems very strange!

```

I have managed to get the software to work. For some reason the MFJ was not switching into KISS mode. I manually issued the KISS ON command while in AX.25 using other term software. No positive response (i.e. "KISS WAS OFF", etc.). After fooling around with it for a bit I issued the RESET command, and the unit locked up on me. I then hard-reset the MFJ by removing JMP5. Upon being turned back on, no further problems were experienced. Once I verified

that the MFJ was switching in and out of KISS mode properly, I loaded up
AmiCom and it worked perfectly. It appears to be a nice piece of software;
the nicest I have seen for the Amiga to date.

Thanks for your help.

--

John Monaco <jmonaco@dorsai.dorsai.org>

End of Ham-Digital Digest V94 #44
